

For Office Use Only
Executive Office of Environmental Affairs
 EOE No.: 14261
 MEPA Analyst: Aisling Eglinton
 Phone: 617-626-1024

ENF Environmental Notification Form

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Closure of the Salem Landfill and Redevelopment of the Salem Transfer Station		
Street: 12 Swampscott Road		
Municipality: Salem	Watershed: North Coastal	
Universal Tranverse Mercator Coordinates: 4707125 N, 341759E	Latitude: 42.5003° N Longitude: 70.9258° W	
Estimated commencement date: Nov. 2008	Estimated completion date: December 2009	
Approximate cost: \$8,000,000	Status of project design:	50 %complete
Proponent: City of Salem *		
Street: 93 Washington Street		
Municipality: Salem	State: MA	Zip Code: 01970
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Alan Hanscom		
Firm/Agency: BETA Group, Inc.	Street: 315 Norwood Park South	
Municipality: Norwood	State: MA	Zip Code: 02062
Phone: (781) 255-1982	Fax: (781) 255-1974	E-mail: AHanscom@BETA-Inc.com

* Also, Northside Carting, Inc. 210 Holt Road, North Andover Ma, 01845

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): City of Salem to transfer 9.2 acres to Northside Carting, Inc. in exchange for landfill capping, annual host community fees, and real estate taxes.

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

- List Local or Federal Permits and Approvals:
- Waiver of Demolition Delay Ordinance (Salem Historical Commission)
 - Building Design Review (Salem Design Review Board)
 - ConComm Order of Conditions issued (3/19/08)
 - Minor Modification to Site Assignment (Salem Board of Health)

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input checked="" type="checkbox"/> Solid & Hazardous Waste (Proposed transfer station expansion exceeds existing 100 tpd permit amount by 300 tons) |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions* <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> <u>Minor Modification to Site Assignment</u> *Issued by Salem on Comm on 3/19/08.
Total site acreage	9.2			
New acres of land altered		NA ¹		
Acres of impervious area	0.57	0.86	1.43	
Square feet of new bordering vegetated wetlands alteration		450 ²		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	5500	2000	7500	
Number of housing units	0	0	0	
Maximum height (in feet)	150 ³	115	35	
TRANSPORTATION				
Vehicle trips per day ⁴	140	54	194	
Parking spaces	6	0	6	
WATER/WASTEWATER				
Gallons/day (GPD) of water use				
GPD water withdrawal				
GPD wastewater generation/ treatment				
Length of water/sewer mains (in miles)				

Notes:

- Existing ash landfill to be capped in accordance with MADEP Solid Waste Regulations.
- Approximately 450 S.F. of wetlands to be disturbed during project activities; 1,330 SF to be restored.
- Existing incinerator stack is approximately 150 feet high.
- See Traffic Impact and Assessment Study in Attachment J.

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

The project includes both closure of the Salem Landfill and redevelopment of the Salem Transfer Station, including a capacity increase of the transfer station from 100 tons/day to 400 tons/day. The attached locus plan shows the location of the project site at 12 Swampscott Road, Salem, MA. The proposed project consists the following:

Demolition of Existing Building

The former incinerator building including the smokestack will be demolished. The construction and demolition debris will be used as backfill for the incinerator building foundation hole and also to re-grade the area surrounding the existing foundation (See DEP Conditional Approval Letter included as Attachment D).

Capping of Closed Landfill

The waste at the site consists of ash, C&D Debris, and municipal solid waste. The proposed landfill cap will likely consist of re-grading the existing soil cap to proposed grades, followed by installation of a flexible membrane liner (FML) of HDPE, or equivalent. The FML will be covered by a 12-inch sand drainage layer of topsoil and turf. A geotextile membrane with integral drainage layer may be installed in lieu of the sand drainage layer.

After final placement of topsoil and grading to final elevations is completed, the surface of the entire landfill cap will be covered with jute erosion mats held in place with soil nails. An approved meadow and/or slope seed mix will be spread over the upper portions of the cap and a wetland seed mix will be used on the lower, river bank portions of the cap. The contours of the proposed capped landfill will be designed such that slopes to the Forest River will not exceed three feet horizontal by one foot vertical (3:1).

Construction of New Transfer Station

Building Construction

The proposed new transfer station will include an enclosed metal building on a pile-supported poured-concrete foundation with proposed dimensions of approximately 75 feet by 100 feet. The new building footprint will not exceed by more than 10% the footprint of the current incinerator building, including the stack. The building will be approximately two stories high (35 feet at the eaves). The building will contain two upper level truck bays designed for off-loading (dumping) waste into open top trailers parked immediately below in the lower level. A 1,500-square foot office and break room will also be included in the building. The construction of this proposed building will be permitted through a minor modification to the existing site assignment for this facility.

Repaving

The driveways associated with the new transfer station will be similar in layout to the existing paved driveways. All existing pavement will be removed and replaced as part of the transfer station upgrade. Additional paved driveways will be added to allow for the smooth flow of truck traffic within the site. A portion of the paved area at the transfer station will be used for parking – one area for employee parking and three parking spots for trucks used in the transfer station operations.

Operations

NSC proposes to operate the transfer station at a capacity of 400 tons per day. The waste will consist of construction and demolition debris, municipal solid waste, and commercial solid waste.

Relocation of Leaf and Yard Waste Composting / Recycling Area

Paving

Limited project in accordance with 310 CMR 10.53(3)(e).

The current leaf and yard waste composting area is an unpaved handling area that is used only by NSC trucks. In order to make this area useable by resident's automobiles, the travel lanes will be paved to the extent shown "Site Plan – West Side of Forest River" included. The paving will include an access road that will connect the leaf and yard waste composting/recycling area to the Transfer Station site, as well as to existing site access and egress points (curb cuts) to Swampscott Road. This access road meets one of the definitions of a limited project, i.e., "the construction and maintenance of a new roadway or driveway ... where reasonable alternative means of access from a public way to an upland area" of the site is unavailable.

Concrete Block Push Walls

A 22,000+/- square foot area will be graded and leveled for the Yard Waste Drop-Off/Recycling Area. A push wall will be constructed of monolithic concrete blocks to facilitate loading of the leaf mulch and yard wastes for off-site transport. Note that the proposed Leaf and Yard Waste Composting/Recycling Area has been situated to minimize the amount of activity within the 100-foot buffer zone.

Operation

NSC proposes to continue the operation of the leaf and yard waste composting area on a 6-day per week, year round basis. Sunday hours will be added during three week periods in the spring and fall.

Leaf and yard wastes will be loaded and shipped from the Site, as required. During periods of heavy usage, the leaf and yard wastes may be shipped as frequently as daily. However, during most times of the year, shipments will be on the order of one to four times a month.

Site Improvements

Partial Removal of Forest River Culvert

The proposed plan includes the removal of approximately sixty (60) linear feet of the upstream portion of the concrete culvert that conveys the Forest River under the existing access road to the composting area located on the west side of the Site. The material excavated to allow removal of that portion of the culvert will be placed on-site within the limits of the waste and incorporated into the capped portion of the landfill.

Before any disturbance of soil and/or waste occurs, a continuous row of staked hay bales and silt fence will be installed along the water's edge. During any excavation along river bank, temporary silt curtains will be installed where the depth of the river makes their use possible. After the culvert removal is completed, the remaining material forming the banks of the Forest River will be landfill solid waste and/or ash and will thus be capped as part of the landfill closure. The pre-capping grade of the waste/ash will be altered such that (1) no slope is steeper than three horizontal to one vertical and (2) sufficient room is created to allow the placement of the landfill cap (proposed to consist of a leveling layer of soil or sand, followed by a flexible membrane liner constructed of HDPE, or equivalent, covered by a sand drainage layer and a 12-inch layer of topsoil and turf). As final grading and placement of topsoil to final elevations is completed, landfill slopes leading down to the Forest River will be covered with jute erosion mats held in place with soil nails. An approved wetland seed mix will be spread over the newly-created landfill cap.

Removal of Debris from the Forest River

Visible debris from the Forest River will be removed through the use of an extended boom on an excavator. The excavator will be located at the top of the embankment, so as to minimize damage during debris removal. The removed material will either be incorporated into the capped portion of the landfill or transported off-site for recycling or disposal.

Note: The remaining culvert will be cleaned, inspected and replaced, as deemed necessary by a registered Professional Engineer.

Results from the Alternatives Analysis, as submitted with the Notice of Intent dated 2/11/08, are included as Attachment E.